rate of 44.1KHz) 3)distorting a waveform of the music file, and 4)converting a multi-channel sound of the music file to a single-channel sound.

The various functions of deteriorating or damaging the sound quality of the music file are supported by the most of well-known music file editing program tools, thus editing the digital music files without difficulty by using the editing program tools.

As an example, using the program tool of "Gold Wave", and "Cool Edit" produced by a "Syntrillium Software Corporation" as shown in Fig. 5, it is possible to insert the noise such as a voice of the singer in the music file and in addition, easily adjust the sampling rate of the music file during a generation of the digital music from the record, and easily change the sampling rate of the generated music file. Generally, if the music is sampled with a lower sampling rate, fidelity of the sound is lowered compared with the original sound, and then the user can recognize easily a deterioration of the sound quality.

As an another example, the digital music file is easily edited by using a program tool "Sound Forge" produced by the corporation "Sonic Foundry INC" as shown in Fig. 6 as well as "Gold Wave" and "Cool Edit". Referring to the example of Fig. 6, the music file is edited by using a function of a "Cut" and "Paste" and modifying a position of the waveform of the

original music file.  In Fig. 6, "a" is a waveform of the original music file and "b" is an edited waveform thereof.

As described above, if the sound waveform of the music file is edited, the user can recognize a difference between the edited sound and the original sound, and then cannot be satisfied with the edited sound.

Further, the music file can be easily converted from multi-channel sound(e.g. stereo sound of two-channel) into a single-channel sound(e.g. mono sound) by the music file editing program tool.  If the multi-channel sound is converted into the single-channel sound, realism of the sound is remarkably reduced, and sounds between each musical instrument are not distinguished well, thus lowering the sound quality of the music.

Referring to Fig. 2 again, the advertising digital music file damaged by above methods is distributed over the network N by sharing or another method at step S30.

For example, the damaged advertising music file can be distributed to many users by sharing it on the network N using a popular music file sharing program(e.g. "Napster" or "Soribada").

Preferably, the distribution of the advertising digital music file is achieved before a formal record is sold on the market or the communication network.  When the formal record starts to be sold, the illegally produced digital music files,

which are generated using the music file encoding program, are already shared between the users on the network N. Then, by flooding the network by distributing the advertising digital music file before the illegally produced music file is available, the user can search for only the advertising music file, not the illegally produced music file with the same sound quality to the original music file, thus preventing the distribution of the illegally produced digital music file through the network.

However, sometimes during a producing of a record, a demo-tape or etc. is smuggled and, then the illegally produced digital music file can be shared through the network N before the formal record is sold. Further, providing that the distribution of the illegally produced music file is prevented by cooperating with a service provider after the record corporation releases the record for sale, a large quantity of the illegal music files are already distributed on the network N.

In this case, according to another preferred embodiment as described below, the digital music file already distributed on the network N is collected and damaged, and then distributed on the network N again, thus preventing the reduction of sales amount of the records due to the illegally reproduced digital music file.

Hereinafter, another preferred embodiment of this

12